

Message Text

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ORIGIN ACDA-10

INFO OCT-01 IO-13 ISO-00 ERDA-07 OES-06 FEA-01 CIAE-00

INR-07 L-03 NSAE-00 NSC-05 EB-07 NRC-07 DODE-00

COME-00 /067 R

DRAFTED BY ACDA/NTB:(L.STIEFF) D. OYSTER

APPROVED BY ACDA/NTB: TDDAVIES

ACDA/NTB: CVANDOREN

ACDA/GC: WBAUMAN (BY PHONE)

STATE/IO: LCAVANAUGH (BYPHON:)

ERDA/DSS: SMCDOWELL(BY PHONE)

----- 021969

R 202141Z APR 76

FM SECSTATE WASHDC

TO USMISSION IAEA VIENNA

UNCLAS STATE 095659

E.O. 11652:N/A

TAGS:IAEA, TECH

SUBJECT:LOAN OF U.S. SAFEGUARDS EQUIPMENT TO THE IAEA

1. THE MISSION IS REQUESTED TO PREPARE AND TRANSMIT THE FOLLOWING LETTER TO ROMETSCH, SETTING FORTH THE PROTOTYPE SAFEGUARDS INSTRUMENTATION WHICH ACDA IS PREPARED TO LOAN TO THE IAEA AND THE CONDITIONS OF THE LOAN. UPON ACCEPTANCE OF THIS LOAN IN WRITING BY THE IAEA, THE MISSION SHOULD FORWARD TO ACDA A COPY OF THE SIGNED ORIGINAL TRANSMITTED LETTER.

DR. RUDOLF ROMETSCH

INSPECTOR GENERAL

DEPARTMENT OF SAFEGUARDS & INSPECTION

INTERNATIONAL ATOMIC ENERGY AGENCY

VIENNA, AUSTRIA

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DEAR DR. ROMETSCH:

UPON RECEIPT OF YOUR ACCEPTANCE IN WRITING OF THIS LETTER,
THERE IS HEREBY RELEASED TO THE IAEA ON LOAN FROM THE UNITED

STATES ARMS CONTROL AND DISARMAMENT AGENCY (ACDA) THE
PIECES OF PROTOTYPE SAFEGUARDS EQUIPMENT DESCRIBED BELOW.
THIS EQUIPMENT WAS ORIGINALLY DESIGNED, FABRICATED AND
INSTALLED AT THE GENERAL ELECTRIC COMPANY, MIDWEST FUEL
RECOVERY PLANT (MFRP), MORRIS, ILLINOIS, UNDER A JOINTLY
FUNDED ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
(ERDA/ACDA)SAFEGUARDS RESEARCH PROGRAM IN WHICH THE IAEA
PARTICIPATED ACTIVELY IN AN ADVISORY ROLE.

(1) A GAMMA ABSORPTIOMETER FOR THE IN-LINE ASSAY OF
PLUTONIUM PRODUCT SOLUTIONS WITH ASSOCIATED ELECTRONICS
RACK, TELETYPE, NOVA 1200 MINI COMPUTER, CONTROLS AND
ABSORPTIOMETER. THIS EQUIPMENT WAS DEVELOPED BY ALLIED
CHEMICAL UNDER AN ERDA (AEC) CONTRACT. TITLE TO THIS
EQUIPMENT HAS BEEN TRANSFERRED TO ACDA FOR THE PURPOSES OF
THIS INSTRUMENTATION LOAN.

(2) A SECURE CRANE MONITOR FOR USE IN FOLLOWING THE MOVE-
MENT OF SPENT FUEL INTO A STORAGE POND. THIS EQUIPMENT WAS
DEVELOPED BY SANDIA LABORATORIES UNDER AN ACDA CONTRACT.

(3) A SECURE, 16 MM SURVEILLANCE CAMERA FOR USE IN MONI-
TORING THE SPENT FUEL STORAGE POND, PLUTONIUM PRODUCT LOAD
OUT OR PLUTONIUM STORAGE AREA. THIS EQUIPMENT WAS DEVELOP-
ED BY THE NATIONAL BUREAU OF STANDARDS UNDER AN ACDA
CONTRACT.

(4) A GAMMA ACTIVATED, SPENT FUEL ELEMENT COUNTER FOR
MONITORING THE MOVEMENT OF SPENT FUEL INTO THE MECHANICAL
DISASSEMBLY AREA. THIS EQUIPMENT WAS DEVELOPED BY SANDIA
LABORATORIES UNDER AN ACDA CONTRACT.

(5) A SECURE LEACHED HULL MONITOR FOR THE SEMI-QUANTI-
TATIVE ASSAY OF THE URANIUM REMAINING IN THE CHOPPED AND
LEACHED HULLS AFTER DISSOLUTION OF THE SPENT FUEL IN THE
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DISSOLVER TANK. THIS EQUIPMENT WAS DEVELOPED BY THE SANDIA
LABORATORY UNDER AN ACDA CONTRACT.

(6) A DEVICE TO MEASURE THE LIQUID LEVEL OF AN INPUT
ACCOUNTABILITY TANK USING TIME DOMAIN REFLECTOMETRY (TDR)
INCLUDING THE ADDITIONAL EQUIPMENT REQUIRED FOR TEMPERATURE
AND DIP-TUBE PRESSURE MEASUREMENTS. THIS EQUIPMENT WAS
DEVELOPED BY BRADDOCK, DUNN AND MCDONALD (BDM) UNDER AN

ACDA CONTRACT.

THE PURPOSE OF THIS LOAN IS TO PERMIT THE IAEA TO TEST,
EVALUATE AND CONSULT WITH REPRESENTATIVES OF THE U.S.
GOVERNMENT ON THE UTILITY OF THIS EQUIPMENT FOR THE INTER-

NATIONAL SAFEGUARDING RESPONSIBILITIES TO BE PERFORMED BY
THE IAEA IN CONNECTION WITH THE TREATY ON THE NON-PRO-
LIFERATION OF NUCLEAR WEAPONRY.

THE TERMS AND CONDITIONS OF THIS LOAN ARE:

1. THAT THE IAEA WILL TAKE OR PERMIT NO ACTION WITH RESPECT
TO THIS EQUIPMENT OR ACCOMPANYING DOCUMENTATION THAT WILL
PREJUDICE OR INFRINGE ANY PRESENT OR FUTURE PATENT RIGHTS
IN THIS EQUIPMENT;
2. THAT THE IAEA WILL ADVISE AND CONSULT WITH ACDA PROMPT-
LY WITH RESPECT TO PERTINENT RESULTS OF ITS TEST AND
EVALUATION;
3. THAT THE EQUIPMENT WILL BE RETURNED TO ACDA WHEN THE
IAEA HAS COMPLETED ITS TESTING AND EVALUATION OF THE
EQUIPMENT;
4. THAT THE IAEA SHALL NOT BE RESPONSIBLE FOR LOSS OR
DAMAGE TO THE EQUIPMENT OTHER THAN AS A RESULT OF ITS OWN
WILLFUL MISCONDUCT.
5. THAT THE IAEA FORWARD PROMPTLY TO ACDA COPIES OF THE
IAEA PROPERTY CONTROL FORMS LISTING THIS EQUIPMENT WITH
THE ASSIGNED IAEA PROPERTY NUMBERS.

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SINCERELY,

GALEN STONE
RESIDENT REPRESENTATIVE

THE FOREGOING TERMS AND CONDITIONS ARE HEREBY ACCEPTED.

DATE

RUDOLF ROMETSCH FOR THE
INTERNATIONAL ATOMIC ENERGY AGENCY ROBINSON

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: EQUIPMENT, DIPLOMATIC COMMUNICATIONS, NUCLEAR COOPERATION PROGRAMS, LOANS, NUCLEAR SAFEGUARDS
Control Number: n/a
Copy: SINGLE
Draft Date: 20 APR 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976STATE095659
Document Source: CORE
Document Unique ID: 00
Drafter: (L.STIEFF) D. OYSTER
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D760150-0158
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t19760442/aaaabjlr.tel
Line Count: 165
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN ACDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: oatisao
Review Comment: n/a
Review Content Flags:
Review Date: 29 MAR 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <29 MAR 2004 by ellisoob>; APPROVED <22 SEP 2004 by oatisao>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: OAN OF U.S. SAFEGUARDS EQUIPMENT TO THE IAEA
TAGS: TECH, US, IAEA, ACDA, (ROMETSCH, RUDOLF)
To: IAEA VIENNA
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006